

WHAT IS CLAIMED IS:

1. A method comprising:
sonicating a stream containing a dispersion comprised of agglomerated primary particles; and
filtering the resulting sonicated stream containing a dispersion comprised of de-agglomerated primary particles.
2. The method in accordance with **claim 1**, further comprising coating the resulting sonicated stream onto a receiver surface.
3. The method in accordance with **claim 2**, wherein the receiver surface is a coated photoreceptor substrate.
4. The method in accordance with **claim 1**, wherein the primary particles are toner particles comprised of mixture of at least one colorant and a resin.
5. The method in accordance with **claim 1**, wherein the agglomerated primary particles are present in the stream in an amount of from about 0 to about 60 weight percent based on the total weight of the stream
6. The method in accordance with **claim 1**, wherein the de-agglomerated primary particles have a volume average diameter of from about 0.005 to about 20 micrometers.
7. The method in accordance with **claim 1**, wherein the primary particle is at least one colorant.

8. The method in accordance with **claim 1**, wherein the filtering removes at least one objectionable contaminant contained in the stream of de-agglomerated primary particles.

9. The method in accordance with **claim 8**, wherein the contaminant has an average diameter particle size greater than the average diameter of ultrasonically de-agglomerated particles.

10. The method in accordance with **claim 1**, wherein the stream further comprises a continuous liquid phase carrier vehicle.

11. The method in accordance with **claim 1**, wherein the stream further comprises a continuous gas phase carrier vehicle.

12. The method in accordance with **claim 1**, wherein the sonication is accomplished with at least one ultrasonic member.

13. The method in accordance with **claim 12**, wherein the at least one ultrasonic member is from one to about 10 ultrasonic horns.

14. The method in accordance with **claim 1**, further comprising separating the de-agglomerated primary particles from the stream in the resulting sonicated stream.

15. The method in accordance with **claim 1**, further comprising sonicating the filter media with a second sonicator during the filtering of the sonicated stream.

16. The method in accordance with **claim 1**, further comprising measuring the stream pressure just prior to filtering.

17. The method in accordance with **claim 1**, further comprising re-agglomerating the resulting de-agglomerated primary particles.

18. The method in accordance with **claim 1**, further comprising analyzing the sonicated stream for third particles arising from degradation of the primary particles during sonication.

19. The method in accordance with **claim 1**, the stream of agglomerated or de-agglomerated particles further comprises at least one surfactant.

20. A method comprising:
ultrasonicated a stream of a dispersion of agglomerated photosensitive particles;
filtering the resulting ultrasonicated stream containing a dispersion of de-agglomerated photosensitive particles; and
coating the resulting ultrasonicated stream onto a receiver surface.

21. An apparatus comprising:
an ultrasonicator adapted to ultrasonicate a stream of a liquid dispersion of agglomerated primary particles; and
a filter member adapted to filter the resulting ultrasonicated stream containing a dispersion of de-agglomerated primary particles.

22. The apparatus in accordance with **claim 21**, further comprising a coater adapted to coat the resulting filtered stream containing a dispersion of de-agglomerated primary particles onto a receiver.

23. The apparatus in accordance with **claim 22**, wherein the coated receiver is substantially free of agglomerated primary particles.

24. The apparatus in accordance with **claim 22**, further comprising a second ultrasonicator adapted to ultrasonicate the filter member

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